8. External sufficient standard citation		
9. Is the level of risk associated with the issue(s) consisten	at with	
management performance goals assuming compliance with th	ie above	☐ YES ☐ NO
(non-statutory) external standard?	If no continue;	otherwise skip to 12
10. Is an internal standard required to attain a level of risk	consistent with	
management performance goals?		YES NO
11. Describe nature and status of internal sufficient standar	rd.	
	-	
12. Describe how the levels of risk and cost are consistent Continuation of the current program will provide an appropriate level of prote	with management ection at an acceptable	performance goals.
	•	
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·····		
	Major positive impact	☐ Minor negative impact
jo:	Major positive impact Minor positive impact No net impact	☐ Minor negative impact ☐ Major negative impact
□	Minor positive impact No net impact	☐ Major negative impact
14. Describe the nature and status of implementation inclu	Minor positive impact No net impact ding cost-effective	☐ Major negative impact
□	Minor positive impact No net impact ding cost-effective	☐ Major negative impact
14. Describe the nature and status of implementation inclu	Minor positive impact No net impact ding cost-effective	☐ Major negative impact
14. Describe the nature and status of implementation inclu	Minor positive impact No net impact ding cost-effective	☐ Major negative impact

1.	issue(s)	Issue	origin	■ Hazard analysis	☐ Identification Tea	m
	. Env - groundwater protection					$\neg$
	. Liv grounding processor					
ı	Focus group	☐ Fire Protection☐ Management &	Oversigl	☐ Occupational State ☐ Radiation Prote		
2.	Is there a necessary standard which ap	plies to this is		vos continuos co	▼YES NO	
			- 11	yes, continue, o	therwise skip to	ο.
3.	Necessary standard(s)					
Safe	e Drinking Water Act, 42 USC Section 300f et seq					$\neg$
	CFR 141-142					
	CFR 144 CFR 146					ı
	CFR 147 Subpart O					
	ois Ground Water Protection Act, IRS 1989 Chapt	er 111 1/2				
	AC Subtitle F, Chapter I; 730 - 732 AC 920					
	ac 920 Page County Health Department Private Water Su	oply Ordinance (O	H-0002-9	90. Ch.34. DuPage C	ounty Code)	ŀ
	e County Health Department Ordinance 91-101 W			, ,	,,	
						╛
	·					
4.	Are there any aspects of these necessar	ry. standard(s)	which	do not add value	? YES X NO	ਗ਼
			l1	f yes, continue; e	otherwise skip to	6.
5.	Description of non-value added aspect	s of necessary	/ stand	ard(s).		
	-					٦
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				· · · · · · · · · · · · · · · · · · ·		╛
6.	is the level of risk associated with the				X YES NO	$\overline{\Box}$
perf	formance goals assuming compliance w	nth applicable		-	<u> </u>	
				If no continue; o	therwise skip to 1	12.
7.	Is there a non-required external standar	d which applie	s to th	is issue?	YES NO	汀
			if	yes, continue; of	herwise skip to 1	0.

8. External sufficient standard citation	
9. Is the level of risk associated with the issue(s) consistent with	☐ YES ☐ NO
management performance goals assuming compliance with the above	
thon-statutory, external standard.	herwise skip to 12.
10. Is an internal standard required to attain a level of risk consistent with	YES INO
management performance goals?	<u> </u>
11. Describe nature and status of internal sufficient standard.	
12. Describe how the levels of risk and cost are consistent with management per	
The current program provides an acceptable level of protection by adhering to the Class I groundwate by the state of Illinois. The implementation of a wellhead protection program as described in the Illinois	
Protection Act will significantly increase the level of performance and protection for the Laboratory. The implemented through appropriate procedures, utilizing accepted published guidelines.	nis program will be
miplement an eaght appropriate processing accepted passioned galacinice.	
	·
13. Pick the basic implementing assumption from the list. ☐ Major positive impact ☐	Minor negative impact
☐ Minor positive impact ☐ ☑ No net impact	Major negative impact
in the state of th	
14. Describe the nature and status of implementation including cost-effectivened.  The current program provides an acceptable level of protection, and the addition of a wellhead program.	
protection at modest cost. An important part of the implementation of the groundwater protection prog	ram program is the
use of the concentration model to design shielding of targets. These design criteria are in the Fermilab App.12B.	HadCon Manual

1.	Issue(s)	Issue origin Mazard analysis Identification Team
	I. Env - hazardou	a washa
US	i. Eliv - nazardou	s waste
	4	
	Focus group	☐ Emergency Management ☐ Fire Protection ☐ Occupational Safety
		■ Environmental Protection
2.	Is there a ne	cessary standard which applies to this issue?   ☑ YES ☐ NO
		If yes, continue; otherwise skip to 6.
	•	n yes, continue, otherwise skip to 6.
3.	Necessary s	andard(s)
	RA, 42 USC 6901	et seq.
	CFR 260- 270	(Illinois Los #101) including Emparage Continues and
	CFR 1910.120	(Illinois Log #131), including Emergency Contingency plan
	IAC Subtitle G	
	leral Facility Com	nliance Act
	iorai i aomity oom	
		· · · · · · · · · · · · · · · · · · ·
		·
4.	Are there any	aspects of these necessary standard(s) which do not add value?
₩.	Are there any	
		If yes, continue; otherwise skip to 6.
5.	Description o	f non-value added aspects of necessary standard(s).
6.	is the level o	f risk associated with the issue(s) consistent with management
		s assuming compliance with applicable necessary standards?
-	•	If no continue; otherwise skip to 12.
		ii no continue, otherwise skip to 12.
7.	Is there a no	n-required external standard which applies to this issue?
		If yes, continue; otherwise skip to 10.

8. External sufficient standard citation	
9. Is the level of risk associated with the issue(s) consistent with	YES NO
management performance goals assuming compliance with the above (non-statutory) external standard?	
(non-statutory) external standard? If no continue; otherw	rise skip to 12.
10. Is an internal standard required to attain a level of risk consistent with	
management performance goals?	YES NO
11. Describe nature and status of internal sufficient standard.	
11. Describe flature and status of internal sufficient standard.	
12. Describe how the levels of risk and cost are consistent with management perforn	nance goals
Continuation of the current program will provide an appropriate level of protection at an acceptable cost. T	he level of risk is
consistent with management performance goals because management expects to use industrial solutions issues. This is largely an industrial issue and the solution chosen is an industrial solution.	for industrial
ibodos. This is largely an industrial local and the colditon shooth is an industrial colditon.	
13. Pick the basic implementing assumption from the list. Major positive impact Minor positive impact.	r negative impact
☐ Minor positive impact ☐ Majo ☑ No net impact	r negative impact
·	
14. Describe the nature and status of implementation including cost-effectiveness.	
Compliance with above cited laws and regulations requires that the current program be continued. Applica are implemented by Fermilab ES&H Manual Chapter 8021 (Regulated Chemical Waste Disposal), and HWSF	
Manual. When the above standards are approved in the N&S process, internal implementation programs wi	
be consistent with the standard.	

	Issue(s)	Issue origin A Hazard analysis A Identification Team
1.		
052	. Env - offsite ra	diation protection / penetrating
1		
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L		
ı	Focus group	☐ Emergency Management ☐ Fire Protection ☐ Occupational Safety
		☑ Environmental Protection ☐ Management & Oversight ☐ Radiation Protection
2.	Is there a ne	cessary standard which applies to this issue?
		If yes, continue; otherwise skip to 6.
3.	Necessary s	tandard(s)
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		·
		·
	* *	
4.	Are there any	aspects of these necessary standard(s) which do not add value?
	•	If yes, continue; otherwise skip to 6.
		jee, eeman, emerinee emp to e.
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5.	Description o	f non-value added aspects of necessary standard(s).
	•	
6.	Is the level o	f risk associated with the issue(s) consistent with management
		s assuming compliance with applicable necessary standards?
		If no continue; otherwise skip to 12.
		ii no continue, otherwise skip to 12.
7.	Is there a no	n-required external standard which applies to this issue?
	/-	If yes, continue; otherwise skip to 10.
		ii juu, uuliinuu, uuliinuu akip tu lu.

8. External sufficient standard citation	
DOE Order 5400.5 Derived Concentration Guide Table and dose limits to the public (Chapter 2, sec	tion 1; Chapter 3)
9. Is the level of risk associated with the issue(s) consistent with	¥ YES □ NO
management performance goals assuming compliance with the above	д тео д по
(non-statutory) external standard? If no continue;	otherwise skip to 12.
10. Is an internal standard required to attain a level of risk consistent with	
management performance goals?	YES NO
11. Describe nature and status of internal sufficient standard.	
12. Describe how the levels of risk and cost are consistent with management	
Continuation of the current program will provide an appropriate level of protection at an acceptable	cost.
13. Pick the basic implementing assumption from the list.  Major positive impact	☐ Minor negative impact
13. Pick the basic implementing assumption from the list. ☐ Minor positive impact ☐ Minor positive impact	☐ Major negative impact
■ No net impact	
14. Describe the nature and status of implementation including cost-effectives	ness.
When the above standard is approved in the N&S process, internal implementation programs will be	modified to be
consistent with the standard.	

4	leave/e\			Issue	origin	Hazard a	analysis	☐ Identifi	ication Te	eam
1.	issue(s)									
053.	Env - ozone d	epleting substances								
										- 1
										1
										1
					·		·			
ı	ocus group	☐ Emergency Manag	ement $\square$	Fire Protection		□ Occur	ational Sa	afety		
		☑ Environmental Pro			Oversial	nt 🔲 Radiat	ion Protec	ction		1
		<u> </u>			3-					
2	la thava a -	noocour otomateud -	which	olion de Abie '			•			
2.	is lifere a N	ecessary standard v	минсп арр	mes to this i	ssue?			<b>×</b>	/ES 🔲	NO
					lf	yes, cont	inue; ot	herwise	skip to	6.
3.	Necessary s	standard(s)								
Clea	n Air Act Amend	lments 1990, 42 USC 7	401 et seq.		<del></del>					
	FR 82	·	•							
E.O.	12843								•	
		,								-
										Ì
				·						
4.	Are there an	y aspects of these	necessar	v standard(e)	which	do not ad	d value?	) III	YES 🔀	NO
		,		,		f yes, con				
					11	yes, con	inue, O	11161 M126	avih n	U 0.
-	D				<u>.</u> -					
5.	Description	of non-value added	aspects	of necessar	y stand	ard(s).				
										- 1
										-
				•						
						******				
•	lo the level	of viole commisted :		iaaa/a\	laterat	.tal				
6. nerf	is the level	of risk associated v Is assuming comp	with the l	issue(s) consi	istent W	in manag	ement	XY	ES I	10V
hell	ormanice goa	is assuming comp	nance Wi	m applicable		-				
						if no cont	inue; otl	nerwise	skip to	12.
7.	is there a no	n-required external	standard	which applie	s to th	is issue?			ES 🗆	
		q w. w. w. m.		en appne			nua: ^+			
					11	yes, conti	nue, oin	ici wise	akip to	IU.

8. External sufficient standard citation	
9. Is the level of risk associated with the issue(s) consistent with	YES NO
management performance goals assuming compliance with the above	TEO LINO
(non-statutory) external standard?  If no continue; otherwise	skip to 12.
40. In an internal standard required to other a total of stale and the	
10. Is an internal standard required to attain a level of risk consistent with management performance goals?	YES NO
11. Describe nature and status of internal sufficient standard.	
12. Describe how the levels of risk and cost are consistent with management performan	ce goals.
Continuation of the current program will provide an appropriate level of protection at an acceptable cost. The consistent with management performance goals because management expects to use industrial solutions for	level of risk is l
issues. This is an industrial issue and the solution chosen is an industrial solution.	
13. Pick the basic implementing assumption from the list. ☐ Major positive impact ☐ Minor ne ☐ Minor positive impact ☐ Major ne	egative impact
No net impact	gative impact
14. Describe the nature and status of implementation including cost-effectiveness.	
In the opinion of the invloved subject-matter experts, this program is both successful and cost-effective.	
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1.	Issue	\(e)	Issue origin 🗵 Hazard analysis	☐ Identification Team
	. Env -			
1034	. LIIV -	I ODS		
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1				
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ı	Focus	group	☐ Emergency Management ☐ Fire Protection ☐ Occupational	Safety
		•	☑ Environmental Protection ☐ Management & Oversight ☐ Radiation Prot	ection
2.	is the	re a ne	cessary standard which applies to this issue?	NEO ELVO
	10 1110			YES NO
			If yes, continue; o	otherwise skip to 6.
_	Nasa		tondoud(s)	
3.			tandard(s)	
		JSC 2601	et seq.	
	FR 268 FR 302			
	FR 761			
	FR 191	0.1000		
RCF	RA Part	B permit		
	AC 728			
35 1/	AC 808-	809		
-				
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1				
L				
4.	Are th	nere anv	aspects of these necessary standard(s) which do not add value	YES NO
		,		otherwise skip to 6.
			, ii yee, commue,	otherwise skip to 0.
_	Dooor	intion o	f non-value added concern of necessary standard(s)	
5. 	Desci	iption o	f non-value added aspects of necessary standard(s).	
l				
				•
6.	ls the	level o	f risk associated with the issue(s) consistent with management	M VEC FINO
perf	orman	ce goal	s assuming compliance with applicable necessary standards?	YES NO
			If no continue; o	therwise skip to 12.
7.	is the	re a noi	n-required external standard which applies to this issue?	DVEC DNC
•				YES NO NO therwise skip to 10.
			ii yes, continue; or	יוובי אוסב פגוף נט וט.

8. External sufficient standard citation	
9. Is the level of risk associated with the issue(s) consistent with	☐ YES ☐ NO
management performance goals assuming compliance with the above (non-statutory) external standard?	nue; otherwise skip to 12
ii no contr	ilde, Otherwise skip to 12
10. Is an internal standard required to attain a level of risk consistent with	h
management performance goals?	☐ YES ☐ NO
11. Describe nature and status of internal sufficient standard.	
12. Describe how the levels of risk and cost are consistent with managem Continuation of the current program will provide an appropriate level of protection at an accept	
the indicated statutes and regulations, supplemented by internal implementation procedures	
is protected from legal vulnerability and dangers to personnel and the physics program. The	level of risk is consistent with
management performance goals because management expects to use industrial solutions for industrial issue and the solution chosen is an industrial solution.	r industrial issues. This is an
industrial issue and the solution chosen is an industrial solution.	
13. Pick the basic implementing assumption from the list. Major positive im	pact  Minor negative impact
☐ Minor positive im	pact  Major negative impact
No net impact     No	
44 Describe the matrice and extens of leaster 1911 1911 1911	
14. Describe the nature and status of implementation including cost-effect Maintain current program, revise and update ES&H Manual chapters. Part of the ES&H Manual	
PCB policy should state that exempt quantities of PCBs (e.g. small ballasts, capacitors) will b Waste. Lab policy should be to move toward eliminating all PCB's.	
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1.	Issue	e(s)						Issu	e or	igin	Hazard analy	/sis 🔀	Identification	on Team
056	. Env -	regula	ted chem	cal waste	/ non-ha	ızardoı	JS					·	***	
														I
													·	
1	Focus	group		ergency M						-	☐ Occupation	nal Safe	ty	
			X Env	rironmenta	al Protec	tion [	☐ Mana	gement	& Ove	ersigh	nt 🔲 Radiation I	rotectio	on	
2.	is the	ere a r	necessai	y standa	ard whi	ich ap	plies	to this	issu	e?			X YES	□ NO
										lf	yes, continue	; othe	rwise ski	p to 6.
				.17.3										
3.			standar -	a(s)					_					
	FR 259 4C 807													
		Subpar	t F											İ
	12580													
	. 12856 . 12873													ļ
0	12070	•												
														_
4.	Are ti	nere ai	ny aspe	cts of th	nese ne	ecessa	ıry sta	ndard(s	) wh	nich	do not add va	alue?	☐ YES	NO 🗵
										If	yes, continu	e; othe		
5.	Desci	iption	of non-	value a	dded a	spect	s of n	ecessa	ry s	tand	ard(s).			
											•			Ì
							-	<del>-</del>						
													•	
6. narf	is the	level	of risk	associa	ted witi	h the	issue(	s) cons	siste	nt w	ith manageme	nt	X YES	□ NO □
perr	orman	ce go	ais assi	ıınıng C	ompiian	ice W	ntn ap	piicable	e ne		ary standards			
										ļ	lf no continue	; other	rwise skip	to 12.
_				٠.		_	_	_						
7.	is the	re a n	on-requ	red exte	ernal st	andar	d whic	h appli	ies t		is issue?	_		□ NO
										if '	yes, continue;	other	wise skip	to 10.

8. External sufficient standard citation	
9. Is the level of risk associated with the issue(s) consistent with	YES NO
management performance goals assuming compliance with the above	<u>□ 120 □ 100</u>
(non-statutory) external standard?	continue; otherwise skip to 12
10. Is an internal standard required to attain a level of risk consistent management performance goals?	with YES NO
11. Describe nature and status of internal sufficient standard.	
12. Describe how the levels of risk and cost are consistent with mana	gement performance goals.
Continuation of the current program will provide an appropriate level of protection at an a	cceptable cost. The level of risk is
consistent with management performance goals because management expects to use in issues. This is an industrial issue and the solution chosen is an industrial solution.	ndustrial solutions for industrial
	•
13. Pick the basic implementing assumption from the list. All Major positive	e impact
☐ Minor positiv	re impact
No net impat	<u> </u>
14. Describe the nature and status of implementation including cost-	effectiveness.
Current program includes ES&H Manual chapter 8021, which will be revised and modified	
that this program is both successful and cost-effective.	

				leena	origin	Hazard a	nalvojo 🗖	Idontification	Ŧ1
1.	lssue(s)			10000	ongin	M Hazaru a	ialysis L	Tidentification	ream
058	3. Env - sanitary and	sewer discharges							
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L	···						` `		
		Emergency Management				☐ Occupa	tional Safe	ety	
		Environmental Protection	<u> </u>	ment &	Oversigh	nt LI Radiatio	on Protecti	on	
2	lo there o neces	noom, otomdoud which	annlias da	Alulu di	0			-	
2.	is there a neces	ssary standard which	applies to	tnis is				X YES	
					lf	yes, conti	nue; othe	erwise skip	to 6.
3.	Necessary stan	ndard(s)							
	an Water Act, 33 US								
	OFR 116-117	5 1251 Ct 304.							
	CFR 121-125 (exc. 12								
		re-treatment permits pursua							
		tions, City Ordinance, Sect , IL Title 7, Chapter 4	1011 6-3-10-3						
		, , <b></b> .							
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				1					
	·								
4.	Are there any as	spects of these neces	sarv stand	ard(s)	which	do not add	value?	☐ YES	NO N
	•	•	,	(-)		f yes, conti			
						• • • • • • • • • • • • • • • • • • • •	<b>,</b>		10 0.
5.	Description of I	non-value added aspe	cts of nec	essary	stand	ard(s).			
								•	
		•							
6.	Is the level of r	risk associated with th	e issue(s)	consi	stent w	rith manage	ment		
	formance goals	assuming compliance	with appli	cable	necess	ary standa	rds?	YES I	NO
		-				if no contir		rwise skip	to 12.
							,		- ·•
7.	Is there a non-re	equired external stand	ard which	apolie	s to th	المراوع أو		X YES [	
-		1		~PB116.		yes, contin	ue; othe		NO 10.
							,		

8. External sufficient standard citation	
Standard Methods for the Examination of Water and Wastewater, 18th Ed., A	NPHA (1992)
DOE 5400.5 (Chapter 2, Section 3)	
9. Is the level of risk associated with the issue(s) consistent	with XYES NO
management performance goals assuming compliance with the	e above
(non-statutory) external standard?	
,	If no continue; otherwise skip to 12
10. Is an internal standard required to attain a level of risk of	consistent with
management performance goals?	YES NO
management performance goals:	
dd. Danaulka watere and atatus of internal culticions of the	
11. Describe nature and status of internal sufficient standar	a
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· ·	_
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12. Describe how the levels of risk and cost are consistent	with management performance goals.
Continuation of the current program of adherence to the indicated laws and re	gulations will be supplemented by a program of
monitoring sewer effluent constituents and flow at the site boundaries. This of	
the site are within all appropriate limits. The level of risk is consistent with m	anagement performance goals because
manaegement expects to use industrial solutions for industrial issues. This is	
an industrial solution. The additional standard indicated in #8, above, is necessary	
in this area. It contains no "requirements" other than adherence to standard	proctices
in this area. It contains no requirements other than autherence to standard	practices.
	·
13. Pick the basic implementing assumption from the list.	Major positive impact  Minor negative impact
	Alinor positive impact  Major negative impact
	lo net impact
<u>uai :</u>	
14. Describe the nature and status of implementation include	ling cost-effectiveness.
Experience has demonstrated that this program is both successful and cost	
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1.	Issue(s)	Issue	origin	🔀 Hazard analysis 🛚	Identification Team
05	9. Env - solid waste management units ar	nd inactive waste sites			
	•				•
	Focus group	nent  Fire Protection		☐ Occupational Safe	atv
		ction  Management &	Oversig	ht Radiation Protection	on
2.	is there a necessary standard wh	ich applies to this is	ssue?		YES NO
			H	yes, continue; othe	
				,	
3.	Necessary standard(s)				
	CRA, 42 USC 6901 et seq.				
	CRA Part B permit IAC 620				
	IAC 724				
	IAC 815				
	ERCLA/SARA 42 USC 6901 et seq.				
	CFR 300 CFR 302				
1	CFR 355				
40	CFR 370				
40 (	CFR 372				
					İ
					1
<u> </u>					
4.	Are there any aspects of these n	ecessary standard(s)	which	do not add value?	YES NO
			ı	f yes, continue; oth	
5.	Description of non-value added a	aspects of necessary	, stand	ard(s).	
			-		
6.	Is the level of risk associated wit	th the issue(s) consi	stent v	ith management	
per	rformance goals assuming complia	nce with applicable	necess	sary standards?	YES NO
				If no continue; othe	rwise skip to 12.
				•	•
7.	Is there a non-required external s	tandard which applie	s to th	is issue?	YES NO
		applic		yes, continue; other	

8. External sufficient standard citation		
		•
9. Is the level of risk associated with the issue(s) con-	sistent with	☐ YES ☐ NO
management performance goals assuming compliance w		□ 120 □ 140
(non-statutory) external standard?	If no continue; othe	rwise skip to 12
40. In an internal atomical required to attain a livel of		
10. Is an internal standard required to attain a level of management performance goals?	risk consistent with	☐ YES ☐ NO
11. Describe nature and status of internal sufficient s	tandard.	_
12. Describe how the levels of risk and cost are consi		
Continuation of the current program will ensure compliance with applicate requirements. The current program also ensures that existing and future.		
and remediated if necessary through our program supervised by the I	linois EPA. The level of risk is cor	nsistent with
management performance goals because management expects to us industrial issue and the solution chosen is an industrial solution.	e industrial solutions for industrial i	ssues. This is an
industrial issue and the solution chosen is an industrial solution.		
	•	
13. Pick the basic implementing assumption from the li	st. Major positive impact Mi	nor negative impact
	☐ Minor positive impact ☐ Ma  No net impact	ajor negative impact
•		
14. Describe the nature and status of implementation		
All implementation will be completed in conjunction with Illinois EPA o experts, this program is both successful and cost-effective.	fficials. In the opinion of the involve	ed subject-matter
experte, this program is both successful and cost-effective.		

	to any antity with	
1. Issue(s)	Issue origin 🛮 Hazard analysis 🔲 Identifica	ition Team
060. Env - surface water		
		ĺ
Focus group		
Environmental Protection  Ma	fanagement & Oversight	
2. Is there a necessary standard which applie	es to this issue?	S NO
	If yes, continue; otherwise sl	kip to 6.
	• • •	
3. Necessary standard(s)		
Clean Water Act, 33 USC 1251 et seq.		
40 CFR 110 -125 (exc. 123)		
40 CFR 131		
40 CFR 136 40 CFR 230	•	
40 CFR 401 - 403		
33 CFR 320 - 323		
33 CFR 328 - 330.		
35 IAC Subtitle C		1
92 IAC 700 and all permits pursuant 92 IAC 704 and all permits pursuant		l
92 IAC 704 and all permits pursuant		
E.O. 10988		
E.O. 10990		j
10 CFR 1022		l
4. Are there any aspects of these necessary	standard(s) which do not add value?	S X NO
	If yes, continue; otherwise s	
	• • •	
5. Description of non-value added aspects of	of necessary standard(s).	
·		
•		
6. Is the level of risk associated with the iss	sue(s) consistent with management	
performance goals assuming compliance with		ON 🔀 6
	If no continue; otherwise sk	(ip to 12.
		- 10 181
7. Is there a non-required external standard w	which applies to this issue?	
7. Is there a non-required external standard w	<u>=- \</u>	S NO
	lf yes, continue; otherwise ski	IP TO 10.

8. External sufficient standard citation		· 
Standards and Specifications for Soil Erosion and Sediment Control, 10/87	, IEPA 87-102	
DOE Order 5400.5 (Ch. 2, sec. 1;Ch. 3)		
•		
9. Is the level of risk associated with the issue(s) consiste		X YES INO
management performance goals assuming compliance with t (non-statutory) external standard?		
(non-otatatory) oxtornar otanaara.	it no continue; c	otherwise skip to 12
10. Is an internal standard required to attain a level of risk	consistent with	☐ YES ☐ NO
management performance goals?		<u> </u>
11. Describe nature and status of internal sufficient standa	a rel	
11. Describe nature and status of internal sufficient stands	IIV.	
	- · · · · · · · · · · · · · · · · · · ·	
12. Describe how the levels of risk and cost are consistent	with management pe	erformance goals.
Continuation of the current program will provide an appropriate level of prot	ection at an acceptable co	ost. The level of risk is
consistent with management performance goals because management exp		
issues. This is an industrial issue and the solution chosen is an industrial s		
above, is necessary as a reference for industry-wide practice in this area. adherence to standard practices.	It contains no "requireme	nts" other than
adherence to standard practices.		
		1
•		
13. Pick the basic implementing assumption from the list.	Major positive impact	Minor negative impact
	Minor positive impact	Major negative impact
	No net impact	
14. Describe the nature and status of implementation incl	uding cost-effectiven	ess.
Experience has demonstrated that this program is both successful and cos	t-effective. When the ab	ove standard is
approved in the N&S process, internal implementation programs will be mo	dified to be consistent with	n the standard.

			Is	sue origin	Hazard analysis	☐ Identification Team
1.	lssue(s)					
06	<ol> <li>Env - transform</li> </ol>	ner oil / non-PCB				
	***					
	<u></u>					
	Focus group		gement		Occupational	
		Environmental Pi     Environmental Pi	otection	ent & Oversigl	nt 🔲 Radiation Prot	ection
2.	Is there a ne	ecessary standard	which applies to the	his issue?		¥YES □ NO
				lf	ves. continue: o	therwise skip to 6.
					<b>,</b>	and the one
3.	Necessary s	standard(s)				
		USC 1251 et seq.			· ·	
ŀ	CFR 110	oco izoi et seq.				
	CFR 112	•				
40	CFR 300 - 302					
	CFR 1910.106					
35	IAC 808 - 809					
ľ						
				•		
4.	Are there an	y aspects of these	e necessary standa	rd(s) which	do not add value	e? YES NO
				l'	f yes, continue;	otherwise skip to 6.
5.	Description	of non-value adde	d aspects of nece	ssarv stand	lard(s).	
				,		
			•			
						·
						<u> </u>
			-			
_				_		
6.			with the issue(s) (			X YES NO
pe	Hormance goa	is assuming com	pliance with applic		-	
					If no continue; o	otherwise skip to 12.
7.	Is there a no	n-required externa	al standard which a	pplies to th	nis issue?	YES NO
		-				therwise skip to 10.

8. External sufficient standard citation	
	ļ
9. Is the level of risk associated with the issue(s) consistent with	
management performance goals assuming compliance with the above	YES NO
(non-statutory) external standard? If no continue; other	rwise skip to 12.
·	
10. Is an internal standard required to attain a level of risk consistent with	YES NO
management performance goals?	<u> </u>
11. Describe nature and status of internal sufficient standard.	
	l
	İ
·	
12. Describe how the levels of risk and cost are consistent with management performance of the control of the c	rmance goals.
Continued application of the appropriate regulations and laws will ensure the protection of the environment oil spills. The level of risk is consistent with management performance goals because management expenses.	
industrial solutions for industrial issues. This is an industrial issue and the solution chosen is an industrial	
13. Pick the basic implementing assumption from the list.  Major positive impact Min	nor negative impact
Minor positive impact ☐ Ma	ijor negative impact
☐ No net impact	
14. Describe the nature and status of implementation including cost-effectiveness.	
Implementation of these standards would require that a consistent policy for secondary containment stra	
for all existing and new transformers. An adequate set of procedures will utilize appropriate industry and	
association standards as necessary (NFPA 30, Factory Mutual 5-4/14-8,ANSI/IEEE 446).	·

		Issue	oriain	☐ Hazard analysis    ☐ Id	entification Team
1.	Issue(s)			Li i i i i i i i i i i i i i i i i i i	administration (earl)
062	P. Fire - boiler, heating systems, and (commercial) appliar	nces			
ŀ					
<u> </u>					
'	Focus group		Oversial	<ul><li>☐ Occupational Safety</li><li>ht ☐ Radiation Protection</li></ul>	
		90	<u> </u>	Tradiction / Fotocion	
2.	Is there a necessary standard which applies to	o this is	ssue?		X YES INO
	,			yes, continue; other	
				yes, continue, other	wise skip to 6.
3.	Necessary standard(s)				
	AC - Fire Protection				
	IAC - Fire Prevention and Safety IAC - Boiler and Pressure Vessels				
	CFR 1910 Subpart E - Means of Egress				
29 C	CFR 1910 Subpart L - Fire Protection				
	CFR 1910 Subpart S - Electrical				
	CFR 1926 Subpart F - Fire Protection and Prevention CFR 1926 Subpart K - Electrical				
4	Are there any concern of these personny stay	- d - u-d/- \	blab	da mak add	
4.	Are there any aspects of these necessary star	naara(s)		do not add value? f yes, continue; other	YES NO
			-	i yes, continue, other	wise skip to 6.
5.	Description of non-value added aspects of no	ecessarv	/ stand	ard(s).	
			Otana	u. u.(0).	
6.	Is the level of risk associated with the issue(s	s) consi	stent u	ith management	
	formance goals assuming compliance with app				☐ YES 🔀 NO
	· ·			If no continue; otherv	vise skip to 12.
					•
7.	Is there a non-required external standard which	h applie	s to th	is issue?	¥YES □ NO
	1	I- I	14	vee continue others.	

8. External sufficient standard citation		
BOCA National Building Code		
BOCA Fire Prevention Code		
National Fire Protection Association National Fire Codes (NFPA Standards List	:)	
UL Listing		
9. Is the level of risk associated with the issue(s) consistent	with	YES NO
management performance goals assuming compliance with the		<u> </u>
(non-statutory) external standard?	If no continue: d	otherwise skip to 12.
10. Is an internal standard required to attain a level of risk co	nsistent with	YES NO
management performance goals?		<u> </u>
11. Describe nature and status of internal sufficient standard.	· · · · · · · · · · · · · · · · · · ·	
12. Describe how the levels of risk and cost are consistent w	ith management n	erformance goals
This is an industrial hazard, and the minimal statutory requirements have been		
insurers. To be consistent with management performance goals, the level of ri		
building code and national fire code standards as is the case in industry.	ok made po farator do	nicolog by application of
John Millian Market Mar		
•		
13. Pick the basic implementing assumption from the list. $\square$ Ma	ajor positive impact	Minor negative impact
<u> </u>	nor positive impact [	Major negative impact
<b>⊠</b> No	net impact	
14. Describe the nature and status of implementation includi	na cost-effectiven	ess.
There are a few known noncompliances regarding heating system clearances v		
older heating systems are replaced. (As noted in the title of this issue, these s		
appliances.)	nandardo apply offly t	o oominonoul
approximoso.)		
1		

1. Issue(s)  Issue origin Hazard analysis	☐ Identification Team
063. Fire - cigarette smoking	•
	·
Focus group ☐ Emergency Management ☑ Fire Protection ☐ Occupational S	2-6-4-
Focus group ☐ Emergency Management ☑ Fire Protection ☐ Occupational © Environmental Protection ☐ Management & Oversight ☐ Radiation Prot	arety
E Tradition 1 Total	Cuon
O to them a management about out to be a wall of the same that the same	
2. Is there a necessary standard which applies to this issue?	X YES NO
If yes, continue; o	therwise skip to 6.
3. Necessary standard(s)	
41 IAC - Fire Protection	
100 IAC - Fire Prevention and Safety	
29 CFR 1910 Subpart H - Hazardous Materials	
29 CFR 1910 Subpart L - Fire Protection	
29 CFR 1926 Subpart F - Fire Protection and Prevention	
EPA Air Quality Stds.	
	•
4. Are there any aspects of these necessary standard(s) which do not add value	? YES NO
	otherwise skip to 6.
ii yos, continue, t	therwise skip to 0.
E. Description of management added assessed at account 1, 1, 1/2	
5. Description of non-value added aspects of necessary standard(s).	
	•
6 to the level of while accordated with the forwards and the fit	
6. Is the level of risk associated with the issue(s) consistent with management performance goals assuming compliance with applicable necessary standards?	YES NO
performance goals assuming compliance with applicable necessary standards?	
performance goals assuming compliance with applicable necessary standards?	X YES ☐ NO therwise skip to 12.
performance goals assuming compliance with applicable necessary standards?	
performance goals assuming compliance with applicable necessary standards?	

8. External sufficient standard citation		
9. Is the level of risk associated with the issue(s) consister	nt with	YES NO
management performance goals assuming compliance with the		□ 1E9 □ NO
(non-statutory) external standard?	If no continue;	otherwise skip to 12
10. Is an internal standard required to attain a level of risk	consistent with	YES NO
management performance goals?		
11. Describe nature and status of internal sufficient standa	rd.	
12. Describe how the levels of risk and cost are consistent	with management re	
The statutory requirements provide a level of risk that is consistent with mar		
same as that encountered in commercial or industrial environments.		_
		·
O Biole the besis implementing accounting to the second	Major positive impact	Minor possible impact
3. Pick the basic implementing assumption from the list.	Minor positive impact	☐ Major negative impact
	No net impact	
4. Describe the nature and status of implementation inclu	-	iess.
Experience has demonstrated that this program is both successful and con	si-eifective.	
		•

1.	issu	e(s)	issue origin 🔀 Hazard	d analysis 🔲 I	dentification Team
		- electrical			
100	4. FIIE	- electricai			
		H.			
1					
L	_				
	Focus	group	☐ Emergency Management ☐ Fire Protection ☐ Occu	upational Safet	у
			☐ Environmental Protection ☐ Management & Oversight ☐ Radi	lation Protection	n
2.	ls th	ere a ne	cessary standard which applies to this issue?		YES NO
			If yes cou	ntinue: other	wise skip to 6.
			ii yes, coi	ininue, oniei	wise skip to 6.
3.	Nece	esarv s	tandard(s)		
1		re Protecti	ntion and Safety		
			rt E - Means of Egress		1
			rt H - Hazardous Materials;		
			t L - Fire Protection		
			rt S - Electrical		
			rt F - Fire Protection and Prevention		
			rt K - Electrical		
		•			
4.	Are t	here anv	aspects of these necessary standard(s) which do not a	add value?	YES NO
			·		rwise skip to 6.
			n yes, 00	· · · · · · · · · · · · · · · · · · ·	iwise skip to 0.
_	<b>D</b>				
5. —	Desc	ription o	of non-value added aspects of necessary standard(s).		
1					
					1
			·		•
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l					
6.			of risk associated with the issue(s) consistent with mana		☐ YES 🗷 NO
per	forma	nce goal	s assuming compliance with applicable necessary stan	dards?	TILO MINO
			If no cor	ntinue; other	wise skip to 12.
					<del>-</del>
-	1		manufacid cutomal about and 1991 1991 1991 1991	_	
7.	is the	ere a noi	n-required external standard which applies to this issue?		YES INO
			If yes, con	tinue; otherv	vise skip to 10.

8. External sufficient standard citation	
BOCA National Building Code	
BOCA Fire Prevention Code	
National Fire Protection Association National Fire Codes (NFPA Standards List)	·
UL Listing	
9. Is the level of risk associated with the issue(s) consistent with	YES X NO
management performance goals assuming compliance with the abo	
(variable ma) subsect of malacido	no continue; otherwise skip to 12.
` "	no continue, otherwise skip to 12.
10. Is an internal standard required to attain a level of risk consist	stent with
management performance goals?	▼YES □ NO
11. Describe nature and status of internal sufficient standard.	
Fermilab ES&H Manual Chapters 5043, Management and use of cable tray system	s, and 5046, Low-Voltage, High-Current
Power Distribution Systems.	
These standards require proper installation of cable trays used for electrical condu	ctors and overcurrent protection for all
current carrying conductors in high-current, low-voltage power distribution systems	
integrated into management and oversight practices.	, , , , , , , , , , , , , , , , , , , ,
·	
12. Describe how the levels of risk and cost are consistent with	management performance goals
The level of risk is consistent with management performance goals because munic	
selected for the standard residential/commercial/industrial electrical equipment, ar	
for the unique electrical equipment not found elsewhere. Insurers and municipalitie	
requirements were insufficient and that the building code and national fire code sta	
achieve adequate protection.	induido colocida were necessary to
admitted additional protections.	
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do Biologia hada inglamenting and activities of the Indian	positivo impost.   Miner posetivo impost
13. Pick the basic implementing assumption from the list. Major	positive impact
	impact impact impact
LI No net	шрасс
14. Describe the nature and status of implementation including	cost-effectiveness.
Experience has demonstrated that this program is both successful and cost-effecti	ve. Adoption of the BOCA National
Building Code will require changes to construction and contract documents.	·
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1. issue(s)	issue orig	jin 🔀	Hazard analysis	☐ Identification Team
065. Fire - flammable liquids and gases	<u> </u>	· · · · · ·	<del></del>	
·				
				·
Focus group	re Protection	Г	☐ Occupational	Safaty
☐ Environmental Protection ☐ Ma				
2. Is there a necessary standard which applie	es to this issue	?		X YES INO
			s. continue: «	otherwise skip to 6.
		12 90	o, oo:,ao, (	sinci inde skip to o.
3. Necessary standard(s)				
41 IAC - Fire Protection				
100 IAC - Fire Prevention and Safety;				
160 IAC - Storage, Transportation, Sale and Use of Gasol 170 IAC - Storage, Transportation, Sale and Use of Petrol				eneral Storage
1180 IAC - Storage, Transportation, Sale and Use of Volatil		guiated	Substances	
29 IAC - Emergency Services, Disasters, and Civil Defen		ergency	Services and D	isaster Agency,
Subchapter f: Chemical Safety				
IL Public Act 84-852, Illinois Chemical Safety Act				
29 CFR 1910 Subpart E - Means of Egress 29 CFR 1910 Subpart H - Hazardous Materials				
29 CFR 1910 Subpart L - Fire Protection				
29 CFR 1910 Subpart S - Electrical				
29 CFR 1926 Subpart F - Fire Protection and Prevention				
29 CFR 1926 Subpart K - Electrical				
A				
4. Are there any aspects of these necessary	standard(s) which			
		іт ує	es, continue;	otherwise skip to 6.
5 Description of non-value added assesses	£		(-)	
5. Description of non-value added aspects o	r necessary sta	ingarg	(s).	
				·
				1
6. Is the level of risk associated with the iss	ue(s) consisten	t with	management	
performance goals assuming compliance with				YES X NO
		if n	o continue: d	otherwise skip to 12.
			,	<b>.</b>
7. Is there a non-required external standard w	thich annlies to	this :	issus?	NVEO FINE
more a non-required external standard w	on applies to			YES NO Notherwise skip to 10.
		ıı yes	, consiliue, O	MICHWISE SKIP IV IV.

8. External sufficient standard citation	
BOCA National Building Code	
BOCA Fire Prevention Code	
National Fire Protection Association National Fire Codes (NFPA Standards List)	
UL Listing	
9. Is the level of risk associated with the issue(s) consistent with	YES X NO
management performance goals assuming compliance with the above	
(non-statutory) external standard? If no continue	; otherwise skip to 12.
10. Is an internal standard required to attain a level of risk consistent with	
management performance goals?	YES NO
11. Describe nature and status of internal sufficient standard.	
Fermilab ES&H Manual, Chapter 6020.3, Storage and Use of Flammable Gases at Physics Experi	
This standard, which governs use of flammable gases in detectors, provides a graded approach by flammable gas involved. The measures and precautions called out are needed because particle of the flammable gas involved.	
comply with the electrical guidelines from the National Electrical Code, NFPA70, Article 501 for NE	
Division 2 installations. This standard has been fully implemented and integrated into manageme	
<b>3</b>	g p
	1
12. Describe how the levels of risk and cost are consistent with management	
The level of risk is consistent with management performance goals because the standards select	
industry, and an internal standard has been selected for those unique cases where the building co standards cannot be applied. The internal standard was designed to provide an equivalent or sup	
mitigation and comply with the intent of the codes.	choriever of flazard
· ·	
13. Pick the basic implementing assumption from the list.  Major positive impact	☐ Minor negative impact
IX Minor positive impact	☐ Major negative impact
☐ No net impact	
	•
14. Describe the nature and status of implementation including cost-effective	
Experience has demonstrated that this program is both successful and cost-effective. Adoption of	of the BOCA National
Building Code will require some changes to construction and contract documents.	
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						Issue	oriain		d Hazard analys	is 🗖 ld	entification Team
1.	Issue(s)			<u>,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, </u>							JAMES AND TOWN
066	. Fire - mob	ile structu	ires							***	
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İ											
<u> </u>									<del></del>		
ı	Focus grou			Management					☐ Occupationa		·
		LLE	nvironmen	tal Protection	n □ Manag	gement &	Oversig	ht	☐ Radiation Pr	otection	
_				·							
2.	is there a	necess	ary stanc	dard which	applies t	o this is					YES NO
							If	fу	es, continue;	otherw	ise skip to 6.
3.	Necessary	etand:	ard/e\								
				auiromente i	dentified as	applicable	o polohu	to :	mobile structure	- Haven	rou the entire.
of O	SHA and Illin	ois Law i	s applicab	le to the occu	pancy and	specific u	se of the	ເບ ເ e st	tructure and con	s. nowe tents.	zer, the entirety
	•		• •		. ,	•					
											·
ŀ											
4.	Are there	any asp	ects of	these neces	ssary stai	ndard(s)	which	do	not add val	ue?	YES NO
											vise skip to 6.
				•							
5.	Description	n of no	n-value	added aspe	ects of n	ecessary	y stand	dar	d(s).		
l					·	<u></u>	<del></del>			-	
•											
6.									h managemen		TIVEC BLYO
perf	ormance g	oals as	suming	compliance	with ap	plicable	necess	sar	ry standards?		YES NO
								lf	no continue;	otherw	ise skip to 12.
7.	ls there a	non-req	uired ext	ternal stand	dard whic	h applie	s to th	his	issue?		YES NO
							If		se continue.	athanui	an alria da do

8. External sufficient standard citation		
BOCA National Building Code		
BOCA Fire Prevention Code	.4\	
National Fire Protection Association National Fire Codes (NFPA Standards Lis UL Listing	st)	
OL Listing		
	•••	
9. Is the level of risk associated with the issue(s) consistent		YES NO
management performance goals assuming compliance with the (non-statutory) external standard?		
(non-statutory) external standard:	If no continue; oth	erwise skip to 12.
10. Is an internal standard required to attain a level of risk co	onsistent with	DVEC DIO
management performance goals?		YES NO
A Born the control of	1	
11. Describe nature and status of internal sufficient standard		
		j
12. Describe how the levels of risk and cost are consistent w	rith management perf	ormance goals.
The level of risk is consistent with management performance goals because n		
solutions for industrial issues. This is an industrial issue and the standards cl	hosen are industrial stand	dards.
limit		45
13. Pick the basic implementing assumption from the list.	ajor positive impact LIN	Ainor negative impact
	linor positive impact 🔲 N o net impact	vajor negative impaci
	o not impaot	
44 Depuths the matrix and status of feedbackets 1 4 "		_
14. Describe the nature and status of implementation includi		
An implementation guide is needed to assure appropriate application of the cit	ed standards. The existir	ng DOE/EV 0043,
covering Mobile Structures would serve as a model.		
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1.	Issue(s)	Issue	origin	■ Hazard analysis	☐ Identification Team
	Fire - special hazardous materials			·	
	Focus group		Oversig	☐ Occupational nt ☐ Radiation Prot	
2.	Is there a necessary standard which applies to	this is		von onetiment	YES NO
	·		"	yes, continue; c	otherwise skip to 6
3.	Necessary standard(s)				
	AC - Emergency Services, Disasters, and Civil Defense,	Chapter I	: Emerge	ency Services and D	isaster Agency,
	chapter f: Chemical Safety ublic Act 84-852, Illinois Chemical Safety Act				
29 C	CFR 1910 Subpart E - Means of Egress;				
	CFR 1910 Subpart H - Hazardous Materials				
	CFR 1910 Subpart I - Personal Protective Equipment CFR 1910 Subpart L - Fire Protection				
	CFR 1910 Subpart S - Electrical				
	FR 1926 Subpart F - Fire Protection and Prevention				
	CFR 1926 Subpart Z - Toxic and Hazardous Substances  AC - Fire Protection				
	IAC - Policy and Procedures Manual for Fire Protection Pe	ersonnel			
				·	
4.	Are there any aspects of these necessary stan	dard(s)			e? YES NO otherwise skip to 6
5.	Description of non-value added aspects of ne	ecessary	y stand	ard(s).	
,					
6. perf	Is the level of risk associated with the issue(s ormance goals assuming compliance with app		necess	sary standards?	☐ YES <b>⊠</b> NO otherwise skip to 12
7.	Is there a non-required external standard which	n applie			

8. External sufficient standard citation
BOCA National Building Code BOCA Fire Prevention Code
National Fire Protection Association National Fire Codes (NFPA Standards List)
UL Listing
9. Is the level of risk associated with the issue(s) consistent with ☐ YES ☒ NO
management performance goals assuming compliance with the above
(non-statutory) external standard?  If no continue; otherwise skip to 12
10. Is an internal standard required to attain a level of risk consistent with
management performance goals?
11. Describe nature and status of internal sufficient standard.
There is always the possibility of introduction of unique one-of-a-kind materials by a physics experiment in order to achieve its research objectives. By making this entry, Fermilab acknowledges its responsibility to develop adequate internal standards for those cases where consensus external standards are not available or not applicable. Individual hazardous material usages may require specific implementation standards to provide for safe usage; this level of risk acknowledgement is to verify the commitment to do so.
12. Describe how the levels of risk and cost are consistent with management performance goals.
The level of risk is consistent with management performance goals because management expects to use industrial
solutions for industrial issues. This is an industrial issue and the standards chosen are industrial standards.
13. Pick the basic implementing assumption from the list. ☐ Major positive impact ☐ Minor positive impact ☐ Major negative impact ☐ Major negative impact
☐ No net impact
dd. Daeadha tha matama and atabaa ad tanataman da la la la la la la la la la la la la la
14. Describe the nature and status of implementation including cost-effectiveness.
Implementation for identified hazards of this class has existed since the Laboratory began. The key element is recognition, identification and assessment of new instances. The present laboratory policies for screening and inspecting new initiatives or modifications to existing facilities are especially designed to capture special hazardous materials.
<b> </b>

			Issue origin 🔲 Hazard analysi	s 🔀 Identification Team
1.	issu			- La radinalidation (Calif
06	7B. Fir	e - hydroge	en targets	
L				
	Focus	group	☐ Emergency Management ☐ Fire Protection ☑ Occupational	
			☐ Environmental Protection ☐ Management & Oversight ☐ Radiation Pro	otection
2.	is th	ere a ne	ecessary standard which applies to this issue?	YES X NO
			If yes, continue;	otherwise skip to 6.
3.	Nec	essary s	standard(s)	
1				
İ				
4.	Are	there any	y aspects of these necessary standard(s) which do not add valu	ue? ☐ YES ☐ NO
			If yes, continue;	otherwise skip to 6.
<b>5</b> .	Desc	ription o	of non-value added aspects of necessary standard(s).	
l				
L				
6.	is th	e level d	of risk associated with the issue(s) consistent with management	
			Is assuming compliance with applicable necessary standards?	YES NO
			If no continue;	otherwise skip to 12.
				-
7.	ls th	ere a no	on-required external standard which applies to this issue?	YES NO
				otherwise skip to 10.

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	· · ·
9. Is the level of risk associated with the issue(s) consistent with	YES NO
management performance goals assuming compliance with the above	LI TES LINO
/ total and continued about deads	inue; otherwise skip to 12.
	•
10. Is an internal standard required to attain a level of risk consistent wi	th
management performance goals?	¥YES □ NO
11. Describe nature and status of internal sufficient standard.	
Fermilab ES&H Manual Chapter 5032.2, Guidelines For the Design, Fabrication, Testing, Ins	tallation, and Operation of LH2
Targets Fermilab has developed these guidelines to address the hazards associated with these targets	ots. The letest version of this
document has been in existence and use for over 6 years.	ets. The latest version of this
, , , , , , , , , , , , , , , , , , ,	
	]
12. Describe how the levels of risk and cost are consistent with manager	ment performance goale
Past adherance to the internal standard in #11 has resulted in levels of ES&H and cost performance.	
management goals.	
	i i
13. Pick the basic implementing assumption from the list. ☐ Major positive in	npact □ Minor negative impact
☐ Minor positive in	npact
13. Pick the basic implementing assumption from the list. ☐ Major positive in ☐ Minor positive in ☑ No net impact	npact ☐ Minor negative impact npact ☐ Major negative impact
☐ Minor positive in ☑ No net impact	npact ☐ Major negative impact
☐ Minor positive in ☑ No net impact  14. Describe the nature and status of implementation including cost-effet	npact
☐ Minor positive in ☑ No net impact	npact ☐ Major negative impact
☐ Minor positive in ☑ No net impact  14. Describe the nature and status of implementation including cost-effet	npact ☐ Major negative impact
☐ Minor positive in ☑ No net impact  14. Describe the nature and status of implementation including cost-effet	npact
☐ Minor positive in ☑ No net impact  14. Describe the nature and status of implementation including cost-effet	npact ☐ Major negative impact

									<b>2</b> 11 1			
1.	lssue(s	:)				ssue	origin	2	Hazaro a	inalysis	<b>M</b> Ident	ification Team
			occupancies / a	ccelerator and	beam line en	closure	s					
		,,				0,000,0						
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					·							
	Focus g	roup	☐ Emergency				·		☐ Occup	ational S	Safety	
			☐ Environme	tal Protection	☐ Managen	nent & (	Oversigi	jht	☐ Radiati	on Prote	ection	
2.	is there	a ne	cessary stan	dard which	applies to t	this is	sue?				図	YES NO
							lf	fv	es conti	nue: o		skip to 6.
								. ,	00, 00,,,,	muo, o	tile! Wise	, akip 10 0.
3.	Necess	ary si	andard(s)									
411	AC - Fire I											
			ition and Safety	,								
29 (	CFR 1910	Subpart	E - Means of E	gress								
			L - Fire Protec	tion								
			S - Electrical		_							
			F - Fire Protec	tion and Preve	ntion							
29 (	JFH 1920	Subpan	K - Electrical									Ì
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				<del> </del>								
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4.	Are the	re any	aspects of	these neces	sary standa	rd(s)						YES X NO
							M	lf y	es, cont	inue; c	otherwise	e skip to 6.
						:						
5.	Descrip	tion o	f non-value	added aspe	cts of nece	essary	stand	dar	d(s).			
							•					
	*											-
6.	is the le	evel of	f risk associ	ated with th	ne issue(s)	consis	tent w	with	n manage	ement		VEO ELVO
perf	ormance	goals	s assuming	compliance	with applic	able	necess	sar	y standa	rds?		YES 🛮 NO
								lf	no conti	nue; of	therwise	skip to 12.
												<del>-</del>
7	is there	a nor	-required ex	ternal etand	ard which	nnlica	. ta th	hia	iceus?			VEO ELLO
• •	13 WIELE	a 1101	-required ex	ternar StaffQ	aru willen a	shhues						YES NO
							łT.	ye	s, çontir	iue; ot	nerwise	skip to 10.

8. External sufficient standard citation
BOCA National Building Code
BOCA Fire Prevention Code
NFPA 101 & 101A current editions
National Fire Protection Association National Fire Codes (NFPA Standards List)
UL Listing
9. Is the level of risk associated with the issue(s) consistent with management performance goals assuming compliance with the above (non-statutory) external standard?  If no continue; otherwise skip to 12.
10. Is an internal standard required to attain a level of risk consistent with management performance goals?   ☑ YES ☐ NO
11. Describe nature and status of internal sufficient standard.
Fermilab ES&H Manual Chapter 5043, Management and use of cable tray systems.
This standard requires proper installation of cable trays used for electrical conductors. It has been fully implemented and integrated into management and oversight practices.
·
12. Describe how the levels of risk and cost are consistent with management performance goals.
The level of risk is consistent with management performance goals because the current version of the life safety code is
selected instead of the outdated version referred to in the OSHA regulation. The standards selected specify an acceptable
level of risk, and the current editions provide for the alternate methods of compliance needed for accelerator and beam line
enclosures. The internal standard addresses cable tray applications which are not addressed in Article 318 of NFPA 70.
13. Pick the basic implementing assumption from the list.   Major positive impact  Minor negative impact
13. Pick the basic implementing assumption from the list. ☐ Major positive impact ☐ Minor positive impact ☐ Major negative impact
No net impact
14. Describe the nature and status of implementation including cost-effectiveness.
Fermilab is committed to implement the standards utilizing good engineering practices to provide a level of safety consistent
with the intent, in full accordance with recognized practice throughout industry. Accelerator and beam line enclosures, like subways, highway tunnels and mines, necessitate means equivalent to the prescribed ones to achieve the ES&H goals and simultaneously perform their function.

1.	issue(s	s)		,		·	Issue	origin	🛮 Hazaı	rd analysi	is 🔲 le	dentificatio	n Team
			ous combust	ion	<del>,</del>				<del></del>				<del></del>
		oporna.io											
1													
				_									
	Focus g	roup	☐ Emergend							upationa			
		į	☐ Environme	ental Protec	tion 🗆 N	Manage	ment &	Oversig	ht 🛮 Rac	diation Pr	otection	1	
2.	is there	e a nec	essary sta	ndard whi	ich appli	ies to	this is	sue?			•	X YES	
								11	f yes, co	ntinue;	other	wise skip	to 6.
									• •	ĺ		<b>-</b>	
3.	Necess	sary sta	andard(s)										
41	AC - Fire	Protectio	n	<del></del>						***			
			ion and Safe	ty								•	
			E - Means of										ļ
			L - Fire Prote										İ
29 C	CFR 1926	Subpart	F - Fire Prote	ction and P	revention						,		
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<u> </u>			<del></del>						<del></del>		***************************************		
4.	Are the	re any	aspects of	these ne	ecessary	stand	ard(s)	which	do not	add val	ue?	☐ YES	<b>⊠</b> NO
									lf yes, c	ontinue;	othe	rwise ski	p to 6.
5.	Descrip	tion of	non-value	added a	spects	of nec	essary	stand	dard(s).				
$\Box$	•												
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1													
								•					ļ
6.	ie tha i	level of	risk asso	ciated wit	h tha is	selle/e)	conel	etant :	with mon	anemer			
			assuming									X YES	□ NO □
F.,		- 3vaio		,		- ~PPI			-				
									11 110 60	/iiiiiue;	omer	wise skip	10 12.
7.	is there	a non	-required e	external st	tandard	which	applie	s to t	his issue	?		☐ YES	□ NO
								if	yes, co	ntinue;	otherv	vise skip	to 10.

8. External sufficient standard citation		
	. 4.6.	
9. Is the level of risk associated with the issue(s) consistent with		☐ YES ☐ NO
management performance goals assuming compliance with the above (non-statutory) external standard?		
(mon-statutory) external standard:	continue;	otherwise skip to 12
10. Is an internal standard required to attain a level of risk consiste	nt with	<u> </u>
management performance goals?		YES NO
11. Describe nature and status of internal sufficient standard.		
11. Describe nature and status of internal surnoteix standard.	•	-, ANNO
	•	
	· · · · · · · · · · · · · · · · · · ·	
12. Describe how the levels of risk and cost are consistent with ma	nagement	performance goals.
The level of risk is consistent with management performance goals because manager	nent expects	to use industrial
solutions for industrial issues. This is an industrial issue and the standards selected	are industrial	standards.
		,
13. Pick the basic implementing assumption from the list. Adjor pos	sitive impact	☐ Minor negative impac ☐ Major negative impac
☐ No net im		I major negative impac
14. Describe the nature and status of implementation including co		
Existing fire prevention, housekeeping, and self assessment activities adequately ad However, there is a need for coordination to improve both the physical effectiveness		
efforts.		

1. Issue(s) Issue origin ☑ Hazard analysis ☐	Identification Team
070. Fire - stationary combustion engines	
Focus group ☐ Emergency Management ☑ Fire Protection ☐ Occupational Safe	etv
☐ Environmental Protection ☐ Management & Oversight ☐ Radiation Protecti	on
·	
2. Is there a necessary standard which applies to this issue?	YES X NO
If yes, continue; other	
3. Necessary standard(s)	
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	j
	:
4. Are there any aspects of these necessary standard(s) which do not add value?	TIVEO BINO
4. Are there any aspects of these necessary standard(s) which do not add value? If yes, continue; oth	YES NO
ii yes, commue, om	erwise skip to 6.
5. Description of non-value added aspects of necessary standard(s).	
and the state of t	<del></del>
6. Is the level of risk associated with the issue(s) consistent with management	
6. Is the level of risk associated with the issue(s) consistent with management performance goals assuming compliance with applicable necessary standards?	☐ YES 🗷 NO
performance goals assuming compliance with applicable necessary standards?	
performance goals assuming compliance with applicable necessary standards?	

NFPA 37: Standards for the Installation and Use of Stationary Combustion Engines and Gas Turbines.	
9. Is the level of risk associated with the issue(s) consistent with	ELVEO ELVO
management performance goals assuming compliance with the above	X YES NO
(non-statutory) external standard? If no continue; other	rwise skip to 12
	op 10 12
40. In an internal atendary required to attain a level of viet consistent with	
10. Is an internal standard required to attain a level of risk consistent with management performance goals?	YES NO
management performance goals.	
11. Describe nature and status of internal sufficient standard.	
•	4
	1
12. Describe how the levels of risk and cost are consistent with management perfo	
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use	industrial
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand	e industrial lards.
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand and the standards selected are industrial stand standards.  13. Pick the basic implementing assumption from the list.     Major positive impact   Min	e industrial lards.
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand at a standard selected are industrial standard.  13. Pick the basic implementing assumption from the list. Major positive impact Minimal Major positive impact.	e industrial lards.
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand  13. Pick the basic implementing assumption from the list.     Major positive impact   Minor positive impact   Minor positive impact   Major positive impact	nor negative impact
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand and the standards selected are industrial stand standards.  13. Pick the basic implementing assumption from the list.     Major positive impact   Min	nor negative impact
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand 13. Pick the basic implementing assumption from the list. Major positive impact Min Minor positive impact Minor positive impact Major positive	nor negative impact
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand.  13. Pick the basic implementing assumption from the list. Major positive impact Min Minor positive impact Min Minor positive impact No net impact.  14. Describe the nature and status of implementation including cost-effectiveness. There are a few known noncompliances which would be mitigated programmatically as older units are replin addition, where concerns merit, a hazard analysis could dictate more rapid action for compliance.	nor negative impact ajor negative impact aced or upgraded.
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand.  13. Pick the basic implementing assumption from the list. Major positive impact Minor positive impact Minor positive impact Monor et impact.  14. Describe the nature and status of implementation including cost-effectiveness. There are a few known noncompliances which would be mitigated programmatically as older units are replin addition, where concerns merit, a hazard analysis could dictate more rapid action for compliance. This item is to be considered in parallel with item 65 - Flammable Liquids and Gases. It is given that full of	nor negative impact ajor negative impact aced or upgraded.
The level of risk is consistent with management performance goals because management expects to use solutions for industrial issues. This is an industrial issue and the standards selected are industrial stand 13. Pick the basic implementing assumption from the list. Major positive impact Min Minor positive impact Minor positive impact Major positive	nor negative impact ajor negative impact aced or upgraded.

· ·	Issue	oriain	Hazard analysis	Identification Team
1. Issue(s)				_ identification reall)
071. Fire - storage of combustibles				
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4				
				ļ
Focus group		Waraiak	Occupational Sa	
LI ENVIONMENTAL FIORECTION	wanagement & C	versigi	t Radiation Protect	HOIT
2. Is there a necessary standard which	applies to this is	sue?		KN VEG ELVG
a dicio a nocessary standard willen	abbues to tills 12:			YES NO
		17	yes, continue; oth	erwise skip to 6.
3. Necessary standard(s)				
41 IAC - Fire Protection				
100 IAC - Fire Prevention and Safety	and a			
29 IAC - Emergency Services, Disasters, and Civ Subchapter f: Chemical Safety	/II Detense, Chapter I:	Emerge	ency Services and Disa	ster Agency,
IL Public Act 84-852, Illinois Chemical Safety Act				
29 CFR 1910 Subpart E - Means of Egress				
29 CFR 1910 Subpart H - Hazardous Materials				
29 CFR 1910 Subpart L - Fire Protection 29 CFR 1910 Subpart S - Electrical				
29 CFR 1910 Subpart S - Electrical 29 CFR 1926 Subpart F - Fire Protection and Prev	ention			
29 CFR 1926 Subpart Z - Toxic and Hazardous Su				
-				
	<u>.                                    </u>			
4. Are there any aspects of these nece	ssary standard(s) v	which	do not add value?	YES NO
			yes, continue; oth	
			,	, ••
5. Description of non-value added asp	ects of necessary	standa	ard(s).	
				İ
	,			
6. Is the level of risk associated with t	the issue(s) consis	tent w	ith management	
performance goals assuming compliance				YES X NO
		1	f no continue; oth	erwise skip to 12.
			,	
7. Is there a non-required external stan	dard which applies	to th	is issue?	X YES NO
			yes, continue; othe	

8. External sufficient standard citation		
BOCA National Building Code BOCA Fire Prevention Code		
National Fire Protection Association National Fire Codes (NFPA Standards Lis	et)	
UL Listing	<b>3</b> ()	
9. Is the level of risk associated with the issue(s) consistent	with	ELVEO ELVO
management performance goals assuming compliance with the		X YES NO
(non-statutory) external standard?	If no continue; other	wise skip to 12
40 la au internel atondord regulad to attain a lovel of viels	analatant with	
10. Is an internal standard required to attain a level of risk of management performance goals?	onsistent with	YES NO
management performance goals:		<del></del>
11. Describe nature and status of internal sufficient standard	i.	
	#15 · · · · · · · · · · · · · · · · · · ·	
12. Describe how the levels of risk and cost are consistent w	vith management perfor	mance goals.
The level of risk is consistent with management performance goals because r		
solutions for industrial issues. This is an industrial issue and the standards s	elected are industrial stand	ards.
	•	
•	<del></del>	
13. Pick the basic implementing assumption from the list. $lacktriangle$	ajor positive impact	or negative impact
	finor positive impact	jor negative impact
	lo net impact	, , ,
14. Describe the nature and status of implementation includ	ing cost-effectiveness.	
The overall program exists and has been implemented. Regular inspections v		/combustibles are
included in mandatory self assessment activities.		
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If yes, continue; otherwise skip to 10.

1. Issue(s)	issue	origin	Hazard analysis	☑ Identification Team
072. Fire - transportation / rail, vehicle, and fueling 077B. HazMat transport - fire/explostion / onsite				
Focus group		Oversigl	☐ Occupational S	
2. Is there a necessary standard which a	pplies to this is		voc continues co	▼YES □ NO
3. Necessary standard(s)		"	yes, continue; o	therwise skip to 6.
41 IAC - Fire Protection 100 IAC - Fire Prevention and Safety 160 IAC - Storage, Transportation, Sale and Use of C 170 IAC - Storage, Transportation, Sale and Use of I 180 IAC - Storage Transportation, Sale and Use of V 49 CFR 383.23 Commercial Drivers License 49 CFR 393.95 Emergency Equipment on Vehicles 49 CFR 397.11 Fires 49 CFR 397.13 Smoking 49 CFR 397.15 Fueling 49 CFR177.848 C (Segregation table for hazardous r	Petroleum and Oth /olatile Oils			neral Storage
4. Are there any aspects of these necess	ary standard(s)			e? ☐ YES ☒ NO otherwise skip to 6.
5. Description of non-value added aspec	ts of necessary	stand	ard(s).	
6. Is the level of risk associated with the performance goals assuming compliance v		necess	sary standards?	☐ YES <b>⊠</b> NO otherwise skip to 12.
7. Is there a non-required external standa	ord which applie	s to th	nis issue?	¥YES □ NO

8. External sufficient standard citation	
BOCA National Building Code	
BOCA Fire Prevention Code National Fire Protection Association National Fire Codes (NFPA Standards List)	
UL Listing	
loc Listing	· i
9. Is the level of risk associated with the issue(s) consistent with	
management performance goals assuming compliance with the above	X YES NO
de la transportación de la companya	continue; otherwise skip to 12.
	Tolling, other wise skip to 12.
40. In an internal atendand required to attain a level of viet association	A socials
10. Is an internal standard required to attain a level of risk consister management performance goals?	YES NO
management performance goule.	
11. Describe nature and status of internal sufficient standard.	
	i
	· ·
40. December have the levels of white and seek are considered. We are	
12. Describe how the levels of risk and cost are consistent with mar The level of risk is consistent with management performance goals because the statute	
supplemented with building code and national fire code standards. This is the same so	
industry and municipalities.	idae ii aa naa 2001, colocica sy
	<b>†</b>
and the second s	tive import. T. Miner the leaves
13. Pick the basic implementing assumption from the list.  Major position of the list.	tive impact
No net imp	
EL TO NOT IMP	
14. Describe the nature and status of implementation including cos	t-effectiveness.
The standards have been implemented. Experience has demonstrated that this progra	
cost-effective. Regulation and inspection functions are performed by the State of Illing	
	·

1.	Issue(s)		Issue	origin	■ Hazard analysis	Identification Team
		near combustibles		·		
		iducing tools near combustible	00			
0/4	. File - Spaik pit	ducing tools near combustion	<b>5</b> 5			
1						
L			·			<u></u>
•	Focus group	☐ Emergency Management	⊠ Fire Protection		☐ Occupational Safe	tv
	•	☐ Environmental Protection		Oversial	ht	on I
_				_		
2.	is there a ne	cessary standard which	applies to this is	sue?		YES NO
				lf	yes, continue; othe	rwise skip to 6
					, , , , , , , , , , , , , , , , , , , ,	miss omp to o.
2	Necessary s	tandard(s)				
3.						
	AC - Fire Protect					
	IAC - Fire Preve					ĺ
		t L - Fire Protection				
		t Q - Welding, Cutting and Bra				
29 C	CFR 1926 Subpai	t F - Fire Protection and Preve	ention			
			•			
						·
			•			
4.	Are there any	aspects of these neces	ssarv standard(s)	which	do not add value?	YES NO
•••	7.1.0 1.1.0.10 u.i.,	deposite of theory house	ocary claireara(c)			
				1	f yes, continue; othe	erwise skip to 6.
5.	Description of	f non-value added aspe	ects of necessary	stand	lard(s).	
			<u> </u>			
						İ
		<del></del>				
6.	le the level c	f risk associated with t	he issue/s) consi	stant :	vith management	
						YES X NO
heil	ormance you	s assuming compliance	with applicable		-	
					If no continue; other	rwise skip to 12.
						- -
_						
7.	is there a no	n-required external stand	dard which applies	s to th	nis issue?	YES NO
				. If	yes, continue; other	wise skip to 10.

8. External sufficient standard citation	
BOCA Fire Prevention Code	
NFPA 1: Fire Prevention Code	
NFPA 51: Standard for the Design and Installation of Oxygen-Fuel Gas Syst	
NFPA 51B: Standard for Fire Protection in Use of Cutting and Welding Proce	esses.
9. Is the level of risk associated with the issue(s) consisten	
management performance goals assuming compliance with th	e above
(non-statutory) external standard?	If no continue; otherwise skip to 12.
	•
10. Is an internal standard required to attain a level of risk	consistent with
management performance goals?	YES NO
11. Describe nature and status of internal sufficient standar	rd.
Fermilab ES&H Manual Chapter 6020.3, Storage and Use of Flammable Gas	
This standard calls for a minimum separation between welding, burning, braz	
experiment apparatus using flammable gases. If the minimum separation is	
first be removed from the apparatus before operations are permitted. This re	equirement has been integrated into the welding,
burning and brazing permit control process.	
	. ]
	·
12. Describe how the levels of risk and cost are consistent	with management performance goals
The level of risk is consistent with management performance goals because	
industry, and an internal standard has been selected for those unique cases	
physics experiment apparatus. The internal standard was designed to provi	
mitigation and comply with the intent of the codes.	
·	
<u>.                                    </u>	
13. Pick the basic implementing assumption from the list.	Major positive impact  Minor negative impact
	Minor positive impact  Major negative impact
	No net impact
, , , , , , , , , , , , , , , , , ,	
14. Describe the nature and status of implementation inclu	
Implementation has long been in place using the standard industrial practice	
considerably more efficient than a fire watch approach. The permit process	
concerns thus uniting two administratively separate concerns in a cost effect	Give manner.

1.	Issue(s)			issue o	rigin	Hazard analysis	Identification Team
075	A. HazMat trans	port - bad road condition	ons / offsite				
							Ì
	Focus group	☐ Emergency Manage			roreigh	☑ Occupational Street  I Radiation Prote  I Ra	Safety
	•	Livioniiicikai i 10	ection Li Manager	nent & Ov	rersign	L Hadiation Prote	ection
2.	Is there a ne	cessary standard w	hich applies to	this issi	ue?		▼YES □ NO
	*		арриос то			ves continue: o	MAYES □ NO Line No Street
					••	yes, continue, c	merwise skip to 6.
3.	Necessary s	tandard(s)					
49 (	CFR 392.14 (Haz	ardous conditions; extre	eme caution)	<u> </u>			
4.	Are there any	aspects of these	necessary stand	ard(s) w			
					If	yes, continue; c	otherwise skip to 6.
5.	Description of	f non-value added	senante of non	000011/	ntond.	and(a)	
	Description e	THOM-Value added	aspects of fiec	essary s		aru(ə).	
		<del>.</del>					
6.	Is the level o	f risk associated w	vith the issue(s)	consiste	ent w	ith management	X YES NO
peri	ormance goal	s assuming compli	ance with appli	capie ne		=	
				-		i no continue; of	therwise skip to 12.
-y ·	la thaus s ss	n manufuad addam -4	atamaland				
1.	is mere a no	n-required external	standard Wnich	applies			YES NO NO Nerwise skip to 10.
					• •	, co, continue, or	nermae akih to 10.

8. External sufficient standard citation						
9. Is the level of risk associated with the issue(s) consistent	with	YES NO				
management performance goals assuming compliance with the						
(non-statutory) external standard?	If no continue; o	otherwise skip to 12				
10. Is an internal standard required to attain a level of risk consistent with		YES NO				
management performance goals?						
11. Describe nature and status of internal sufficient standard	<b>I.</b>					
		•				
12. Describe how the levels of risk and cost are consistent we Past adherance to the statutory requirement in #3 has resulted in levels of ES						
with management goals inlouding the use of industrial standards for industrial		ince that are consistent				
13. Pick the basic implementing assumption from the list. $\square$ M	ajor positive impact	Minor negative impact				
	inor positive impact <u>L</u> o net impact	☐ Major negative impact				
<u> </u>						
14. Describe the nature and status of implementation includ	ing_cost-effectiven	ess.				
Experience has demonstrated that this program is both successful and cost-effective.						
	•					

If yes, continue; otherwise skip to 10.

	Incura(a)	Issue	origin	· [	🛚 Hazard analysis 🔻 Iden	tification Team
1.	Issue(s) 5B. HazMat transport - bad road conditions / onsite					
۱۳٬۰	55. Hazivat transport - bad road conditions / onsite					
l						
	Focus group	tection	-			
	☐ Environmental Protection ☐ Manage		Oversig	ght	☐ Radiation Protection	
2.	Is there a necessary standard which applies to	this is	ssue?			YES X NO
			H	f ·	ـــ yes, continue; otherwis	
					-	•
3.	Necessary standard(s)					
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						ŀ
l						
						7
	Ave there are several of these versions at an	-11 <i>(</i> - <i>)</i>	anda I a la			1)/50 F116
4.	Are there any aspects of these necessary stand	uaru(s)			o not add value? yes, continue; otherwis	YES NO
				••	yes, continue, otherwi	se skip to 6.
5.	Description of non-value added aspects of ne	cessarv	/ stanc	da	rd(s).	
Ė.			,			
İ						1
					,	
6	Is the level of risk associated with the issue(s)	) conei	etant :	M/i	th management	
	formance goals assuming compliance with app					YES 🔀 NO
-	•				no continue; otherwis	e skip to 12.
					,	
7.	Is there a non-required external standard which	applie	s to ti	hi	s issue? līd	IVES TINO